

**INTEGRATED CONFIGURATION SYSTEM
FOR USE IN A PROCESS PLANT**

ABSTRACT

An integrated configuration viewing system for use in a process plant includes a computer readable memory and a plurality of template configuration objects stored on the computer readable memory. Each of the plurality of template configuration objects includes a graphical representation of a physical entity within the process plant, a parameter storage adapted to communicate with the process plant to obtain and store device parameter information associated with the physical entity within the process plant, and a configuration storage adapted to store configuration parameters associated with the physical entity within the process plant. A first routine is stored on the computer readable memory and adapted to be executed on the processor to present a library section on a user interface. The library section is adapted to present depictions of the plurality of template configuration objects to a user via the user interface. A second routine is stored on the computer readable memory and adapted to be executed on the processor to present a configuration area on the user interface. And a third routine is stored on the computer readable memory and adapted to be executed on the processor to enable a user to select one of the plurality of template configuration objects from the library section and to place the selected template configuration object within the configuration area to create a process configuration module within the configuration area.